Contents

Albertini, A.M., s. Galizzi, A., et al. 159
Atchison, B.A., Whitfeld, P.R., Bottomley, W.: Comparison of Chloroplast DNAs by Specific Fragmentation with EcoRI Endonuclease 263
Atkins, J.F., s. Beggs, J.D., et al. 287
Attolini, C., Mazza, G., Fortunato, A., Ciarrocchi, G., Mastromei, G., Riva, S., Falaschi, A.: On the Identity of *dnaP* and *dnaF* Genes of *Bacillus subtilis* 9
Beggs, J.D., Guerineau, M., Atkins, J.F.: A Map of the Restriction Targets in Yeast 2 Micron Plasmid DNA Cloned on Bacteriophage Lambda 287
Belfort, M., Oppenheim, A.B.: Efficient Suppression of the Requirement for N Function of Bacteriophage λ by *Rho*-defective *E. coli suA* Mutant 171
Bendiak, D., s. Friesen, J.D., et al. 93
Bergquist, P.L., s. Jamieson, A.F. 221
Bernstein, C., Morgan, D., Gensler, H.L., Schneider, S., Holmes, G.E.: The Dependence of HNO_2 Mutagenesis in Phage T4 on Ligase and the Lack of Dependence of 2AP Mutagenesis on Repair Functions 213
Besemer, J., Kubai, D.F.: Isolation and Characterization of $\Phi 80$ *dgal* Transducing Phages that Carry *gal* Operator-promoter Insertion Mutations 79
Bottomley, W., s. Atchison, B.A., et al. 263
Brachet, P., s. Dambly, C., et al. 175
Caillet-Fauquet, P., s. Defais, M., et al. 125
Cassani, G., s. Galizzi, A., et al. 159
Casse, F., Pascal, M.-C., Chippaux, M., Ratouchniak, J.: Genetic Analysis of Mutants from *Escherichia coli* K12 Unable to Grow Anaerobically without Exogenous Acceptor 337
Cerdá-Olmedo, E., s. Murillo, F.J. 19
Chippaux, M., s. Casse, F., et al. 337
Ciarrocchi, G., s. Attolini, C., et al. 9
Court, D., s. Dambly, C., et al. 175
Cramer, J.H., Farrelly, F.W., Rownd, R.H.: Restriction Endonuclease Analysis of Ribosomal DNA from *Saccharomyces cerevisiae* 233
Dambly, C., Court, D., Brachet, P.: Specificity of Polarity Suppression in *E. coli:* Correction of Defects in Gene N, but not in Gene Q, of Phage λ 175
Davies, P.J., Parry, J.M.: The Induction of Mitotic Gene Conversion by Chemical and Physical Mutagens as a Function of Culture Age in the Yeast, *Saccharomyces cerevisiae* 165
Dedonder, R., s. Steinmetz, M., et al. 281
Defais, M., Caillet-Fauquet, P., Fox, M.S., Radman, M.: Induction Kinetics of Mutagenic DNA Repair Activity in *E. coli* Following Ultraviolet Irradiation 125
Doskočil, J., s. Soltyk, A., et al. 307
Eaton, N.R., Zimmermann, F.K.: Thermal Inactivation of Maltase and Its Application to Temperature-sensitive Mutants of Yeast 199
Egel, R.: Rearrangements at the Mating Type Locus in Fission Yeast 149
Ellingboe, A.H., s. Frankel, C.S. 225
Esser, K., s. Stahl, U. 183
Evans-Roberts, S.M., s. Roberts, D.B. 57
Falaschi, A., s. Attolini, C., et al. 9
Falk, D.R.: Pyrimidine Auxotrophy and the Complementation Map of the *Rudimentary* Locus of *Drosophila melanogaster* 1
Farrelly, F.W., s. Cramer, J.H., et al. 233
Fiil, N.P., s. Friesen, J.D., et al. 93
Firshein, W.: Two Membrane Sites for DNA Synthesis in *Pneumococcus* 323
Fortunato, A., s. Attolini, C., et al. 9
Fox, M.S., s. Defais, M., et al. 125
Frankel, C.S., Ellingboe, A.H.: Isolation and Characterization of Compatible Diploids of *Schizophyllum commune* . . . 225
Friesen, J.D., Parker, J., Watson, R.J., Bendiak, D., Reeh, S.V., Pedersen, S., Fiil, N.P.: A Transducing Bacteriophage λ Carrying the Structural Gene for Elongation Factor Ts 93
Gajewski, W., s. Kruszewska, A., et al. 65
Galizzi, A., Albertini, A.M., Plevani, P., Cassani, G.: Synthesis of RNA and Protein in a Mutant of *Bacillus subtilis* Temperature Sensitive during Spore Germination . . . 159
Gensler, H.L., s. Bernstein, C., et al. 213
Gronenborn, B.: Overproduction of Phage Lambda Repressor under Control of the *lac* Promotor of *Escherichia coli* 243
Guerineau, M., s. Beggs, J.D., et al. 287
Hammer-Jespersen, K., Nygaard, P.: Multiple Regulation of Nucleoside Catabolizing Enzymes in *Escherichia coli:* Effects of 3:5′ Ccyclic AMP and CRP Protein 49
Haußmann, P., Zimmermann, F.K.: The Role of Mitochondria in Carbon Catabolite Repression in Yeast 205
Hawrot, E., Kennedy, E.P.: Conditional Lethal Phosphatidylserine Decarboxylase Mutants of *Escherichia coli.* Mapping of the Structural Gene for Phosphatidylserine Decarboxylase 271
Holmes, G.E., s. Bernstein, C., et al. 213
Hulanicka, M.D., Kredich, N.M.: A Mutation Affecting Expression of the Gene Coding for Serine Transacetylase in *Salmonella typhimurium* 143
Imamoto, F., s. Ishii, S. 295
Ishii, S., Imamoto, F.: In vitro Transcription of the Tryptophan Operon in Isolated Bacterial Nucleoids 295
Jamieson, A.F., Bergquist, P.L.: Genetic Mapping of Chromosomal Mutations Affecting the Replication of the F-factor of *Escherichia coli.* (Short Communication) . . . 221
Katsura, I.: Isolation of λ Prophage Mutants Defective in Structural Genes: Their Use for the Study of Bacteriophage Morphogenesis 31
Kennedy, E.P., s. Hawrot, E. 271
Kredich, N.M., s. Hulanicka, M.D. 143
Kruszewska, A., Szcześniak, B., Gajewski, W.: Effect of Auxotrophic Starvation on Mitochondrial Marker Transmission in the *cdc8* Mutant of *Saccharomyces cerevisiae* . . 65
Kubai, D.F., s. Besemer, J. 79
Kunst, F., s. Steinmetz, M., et al. 281
Latil, M., Murgier, M., Lazdunski, A., Lazdunski, C.: Isolation and Genetic Mapping of *Escherichia coli* Aminopeptidase Mutants 43
Lazdunski, A., s. Latil, M., et al. 43
Lazdunski, C., s. Latil, M., et al. 43
Loppes, R.: Genes Involved in the Regulation of the Neutral Phosphatase in *Chlamydomonas reinhardi* 315
Mahler, H.R., s. Moustacchi, E., et al. 251
Mastromei, G., s. Attolini, C., et al. 9
Mazza, G., s. Attolini, C., et al. 9
Méndez, B.S., s. Sanchet de Rivas, C. 99
Morgan, D., s. Bernstein, C., et al. 213
Moustacchi, E., Perlman, P.S., Mahler, H.R.: A Novel Class of *Saccharomyces cerevisiae* Mutants Specifically UV-Sensitive to „Petite" Induction 251
Murgier, M., s. Latil, M., et al. 43
Murillo, F.J., Cerdá-Olmedo, E.: Regulation of Carotene Synthesis in *Phycomyces* 19
Nygaard, P., s. Hammer-Jespersen, K. 49
Oishi, M., s. Smith, C.L. 131

Oppenheim, A.B., s. Belfort, M. 171
Parker, J., s. Friesen, J.D., et al. 93
Parry, J.M., s. Davies, P.J. 165
Pascal, M.-C., s. Casse, F., et al. 337
Pedersen, S., s. Friesen, J.D., et al. 93
Perlman, P.S., s. Moustacchi, E., et al. 251
Piechowska, M., S. Sołtyk, A., et al. 307
Plevani, P., s. Galizzi, A., et al. 159
Radman, M., s. Defais, M., et al. 125
Ratouchniak, J., s. Casse, F., et al. 337
Reeh, S.V., s. Freisen, J.D., et al. 93
Riva, S., s. Attolini, C., et al. 9
Roberts, D.B., Evans-Roberts, S.M.: A Comparison of the Proteins Found in Developing Wild Type Larvae and Developing Lethal Mutant Larvae of *Drosophila melanogaster* 57
Rownd, R.H., s. Cramer, J.H., et al. 233
Sanchez de Rivas, C., Méndez, B.S.: Catabolite Translational Effects on the *lac* Messenger RNA of *Escherichia coli K12* 99
Schneider, S., s. Bernstein, C., et al. 213
Seale, T.W.: Super Suppressor Action Spectrum in *Neurospora* 105
Shugar, D., s. Sołtyk, A., et al. 307
Smith, C.L., Oishi, M.: The Molecular Mechanism of Virus Induction. I. A Procedure for the Biochemical Assay of Prophage Induction 131
Smith, J.M., Smolin, D.E., Umbarger, H.E.: Polarity and the Regulation of the *ilv* Gene Cluster in *Escherichia coli* Strain K-12 111
Smolin, D.E., s. Smith, J.M., et al. 111
Sołtyk, A., Piechowska, M., Shugar, D., Doskočil, J.: Discrimination of Competent *Bacillus subtilis* with Respect to Ribonucleic Acids 307
Stahl, U., Esser, K.: Genetics of Fruit Body Production in Higher Basidiomycetes. I. Monokaryotic Fruiting and Its Correlation with Dikaryotic Fruiting in *Polyporus ciliatus* 183
Steinmetz, M., Kunst, F., Dedonder, R.: Mapping of Mutations Affecting Synthesis of Exocellular Enzymes in *Bacillus subtilis*. Identity of the *sacU*^{h}, *amyB* and *pap* Mutations 281
Szcześniak, B., s. Kruszewska, A., et al. 65
Taketo, A.: Host Genes Involved in the Replication of Single-stranded DNA phage ΦK 25
Taketo, A.: Host Factor Requirements and Some Properties of ΦXtB. An Evolutionary Aspect of ϕX-type Phages . . 139
Umbarger, H.E., s. Smith, J.M., et al. 111
Watson, R.J., s. Friesen, J.D., et al. 93
Whitfeld, P.R., s. Atchison, B.A., et al. 263
Zimmermann, F.K., s. Eaton, N.R. 199
Zimmermann, F.K., s. Haußmann, P. 205
Errata 109

Indexed in Current Contents